

YERLEKSOVA, G. Ye.; LANGE, G.A.; PEROVA, N.B.; SATANOVA, E.A.; KHOLOPOV, P.N.;
TSAREVSKIY, G.S.

QX Cassiopeiae. Per. svesdy 13 no.1:41-51 Ap '60. (MIRA 14:3)

1. Institut astrofiziki AN Tadzhikskoy SSR; Odesskaya astronomicheskaya observatoriya; Gosudarstvennyy astronomicheskiy institut im. P.K. Shternberga i Astronomicheskiy sovet AN SSSR.
(Stars, Variable)

THE LYTAC, G. S.

1. Lyrae-type variable : 134. Astrom. tsir. no. 220:15 A. '61.
(M.M. 14:10)

1. Odesskaya astronomich. shkola observatoriya.
(Stars, Variable)

TSAREVSKIY, G.S.

Elements of the short-period Cepheid AA CMi. Astron.tsir.
no.224:32 Ag '61. (MIRA 16:1)

1. Odesskaya astronomicheskaya observatoriya.
(Cepheids)

16

1. Tsaryuk, L. A. *Spirt-Vodochvody*, Prom. 15, No. 4, 20-1 (1980).

2. *Chimie & Industrie* 40, 1177. — The pH of the medium exerts considerable influence on ale. fermentation. Bringing the wort to optimum pH for the activity of the amylase during secondary fermentation, by neutralizing (with lime) during the primary fermentation, helps to increase the yield of ale. Moreover, this neutralization of the wort during primary fermentation lowers the final acidity of the wort and consequently increases the life of cast-iron dist. A. Papineau-Couture

APP.

ARBUZOV, B.A.; VINBERG, L.I.; GOLUBOVICH, M.P.; STEPANOVA, N.M.;
NEYFAK, Ye.V.; TSAREVSKIY, N.I.

Casting into chill molds from wooden patterns. Alium. splavy
no.1:182-194 '63. (MIRA 16:11)

TSAREVSKIY, N.M.

Development of shipping on the small rivers of the Kuybyshev
Province. Rech.transp. 15 no.12:5-6 D '56. (MLRA 10:2)
(Kuybyshev Province--Rivers)
(Inland water transportation)

TSAREVSKIY, N.M.

Immediate problems in local highway departments. Avt.dor.18
no.5:3-4 S'55. (MLRA 9:1)
(Road construction)

IVANOV, V.S.; SMIRNOVA, V.K.; KLEPTSOVA, A.P.; BARABASH, V.I.; TSAREVSKIY,
N.Ye.; YEMELIN, Yu.D.; SHIROKOV, N.A.; ZAVALEY, V.M.

Catalytic formation of crotonaldehyde. Part 3: Condensation of
acetaldehyde over magnesium, zinc, strontium, cadmium, and barium
phosphates. Vest LGU 16 no.22:139-148 '61. (MIRA 14:11)
(Acetaldehyde) (Crotonaldehyde) (Phosphates)

TSARNYKIN, B.M., starshiy prepodavatel'.

Determining the relative heat conductivity of metal specimens. Nauch.
trudy NPI 26:473-476 '55. (MIRA 9:12)
(Heat--Conduction)

FEDOROV, L.T., kand.tekhn.nauk; LEONT'YEVSKIY, B.B.; GIL'DENBLAT, Ya.D.,
kand.tekhn.nauk; KORENISTOV, D.V.; ROSSINSKIY, K.I., kand.tekhn.
nauk; KUZ'MIN, I.A., kand.tekhn.nauk; KONDRATSKAYA, A.A., inzh.;
NISAR-MUKHAMEDOVA, G.N., inzh.; PANOVA, G.M., inzh.; ROZHDESTVENSKIY,
G.L., inzh.; SEMIKOLENOV, A.S., inzh.; TSAREVSKIY, S.V., inzh.;
ZHUKOVA, M.F., inzh.; GRISHIN, M.M., retsenzent; KRITSKIY, S.N.,
doktor tekhn.nauk, red.; MENKEL', M.F., doktor tekhn.nauk, red.;
GALAKTIONOV, V.D., kand.geol.-min.nauk, red.; ZAVALISHIN, I.S., inzh.,
red.; MALYSHEV, N.A., inzh., red.; MIKHAYLOV, A.V., doktor tekhn.
nauk, red.; PETROV, G.D., inzh., red.; RAPOPORT, Ya.D., red.; RUSSO,
G.A., kand.tekhn.nauk, glavnyy red.; SEVAST'YANOV, V.I., inzh., red.;
TITOV, S.V., inzh., red.; TISTROVA, O.N., red.; LARIONOV, G.Ye.,
tekhn.red.

[Hydrology and water economy of the Volga-Don] Gidrologiya i vodnoe
knoziaistvo Volgo-Dona. Pod red. S.N.Kritskogo i M.F.Menkeliya.
Moskva, Gos.energ.izd-vo, 1960. 146 p. (MIRA 13:11)

1. Moscow. Vsesoyuznyy proyektno-izyskatel'skiy i nauchno-issledo-
vatel'skiy institut "Gidroproyekt" imeni S.Ya.Zhuk. 2. Deystvitel'-
nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Grishin).
(Don River--Water resources development)

ANDRONNIKOV, K.S.; BALAKOV, V.V.; BUZHINSKIY, A.N.; BURAGO, A.N.; VENTMAN, L.A.; VISHNEVSKIY, A.A.; VOLOSOV, D.S.; GASSOVSKIY, L.N., professor; GERSHUN, A.A., professor; YEL'YASHEVICH, M.A.; YEVSTROP'YEV, K.S.; GUREVICH, M.M., professor; KOLYADIN, A.I.; KORYAKIN, B.M.; KURITSKIY, A.L.; PAPIYANTS, K.A.; PROKOF'YEV, V.K., professor; PUTSNIKO, Ye.K.; REZUNOV, M.A.; RITIN', N.M., SAVOST'YANOVA, M.V., professor; SEVCHENKO, A.N.; SEMNOV, N.I.; STOZHAROV, A.I.; FAYERMAN, G.P., professor; PROFILOV, P.P.; TSAREVSKIY, Ye.M., professor; CHEKHMATAYEV, D.P.; YUDIN, Ye.F.; KAVRAYSKIY, V.V., professor; VAVILOV, S.I., akademik, redaktor

[Optics in military science] Optika v voennom dele; sbornik statei. Pod red. S.I.Vavilova i M.V.Savost'ianovoi. Izd. 3-e, zanovo perer. i dop. Moskva. Vol.2. 1948. 387 p. (MLRA 9:9)

1. Akademiya nauk SSSR. 2. Sostaviteli - sotrudniki Gosudarstvennogo Opticheskogo instituta (for all except Vavilov and Kavrayskiy)
3. Voenno-morskaya akademiya (for Kavrayskiy)
(Optics)

ORSHANSKIY, D.L., gl. red. ARUTYUNOV, K.B., red.; VORONOV, A.A., red.;
KARANDEYEV, K.B., red.; KARIBSKIY, V.V., red.; KRASIVSKIY,
S.P., red.; KULEBAKIN, V.S., red.; LOGINOV, L.I., red.;
LUKIN, V.I., red.; MALOV, V.S., red.; PAVLENKO, V.A., red.;
PETROV, B.N., red.; RAKOVSKIY, M.Ye., red.; SMAGLY, L.V.,
red.; SMIRNOV, A.D., red.; SOTSKOV, B.S., red.; STEFANI,
Ye.P., red.; TRAPEZNIKOV, V.A., red.; TSAREVSKIY, Ye.N.,
red.; LEONOVA, Ye.I., tekhn. red.

[EIKA; encyclopedia of measurements, control and automa-
tion] EIKA; entsiklopediia izmerenii kontrolya i avtomati-
zatsii. Moskva, Gosenergoizdat. No.1. 1962. 243 p.

(MIRA 16:3)

(Instruments) (Automation) (Mensuration)

TSAREVSKIY, YU.

Country : USSR

M

Category : Weeds and Their Control.

Abstr Jour. : Ref. Zhur.-Biologiya No. 11, 1958. No. 49197

Author : Tsarevskiy, Yu. D.

Institute : Not given

Title : An Attempt to Control Couch Grass and Weeds with Root Suckers

Orig. Pub.: S. kh. Povolzh'ya, 1957, No. 5, 26-27

Abstract : To clean the fields of couch grass and weeds with root suckers at the Kolkhoz imeni Lenin in Khvorostyanskiy Rayon, Kuybyshevskaya Oblast, a method of plowing "to death" was tried out. In the dry summer of 1954, a field choked with couch grass was left for 5-7 days without treatment after the summer wheat harvest (25-27 July). It was then plowed with colterless plows to a depth

Card: 1/3

Country : USSR

Category : Weeds and Their Control

N

Abs Jour. : Ref. Zhur.-Biologiya No. 11, 1958. No. 49197

Author :

Institute :

Title :

Orig. Pub.:

Abstract : ment by plowing "to death" is expedient only during dry years. --T. L. Rivkind

Card: 3/3

ALL NK: AP0030434

(N)

SOURCE CODE: UR/0096/66/000/012/0062/0066

AUTHOR: Shlykov, Yu. P. (Doctor of Technical Sciences); Tsarevskiy-Dyakin, S. N.
(Dissertant; Engineer)

ORG: none

TITLE: Turbulent flow and heat exchange in smooth rectilinear channels of arbitrary cross section

SOURCE: Teploenergetika, no. 12, 1966, 62-66

TOPIC TAGS: turbulent flow, heat transfer, hydraulic resistance

ABSTRACT: An approximate method of calculation is proposed for determining the hydraulic resistance and heat exchange in channels of intricate shape. It is based on principles of turbulent transfer in round tubes and is applied to the turbulent flow of an incompressible fluid in a cylindrical channel of arbitrary cross section. It was checked by comparing calculated and experimental resistance coefficients of channels of various cross sections over a wide range of Reynolds numbers, and a good agreement was obtained in all cases. The method also permits one to find an ex-

perimental method for determining the velocity and thermal problem and determine tangential stressos on the wall. The method is applicable to the calculation of heat transfer to ordinary fluids ($Pr \gg 1$) in the range of thermal stabilization. In order

Card 1/2

UDC: 621.1.016.4

ACC NR: AP6036434

to carry out all the calculations, it is sufficient to have the solution of Poisson's equation for the given range (shape of the channel cross section). Orig. art. has: 6 figures, 1 table and 24 formulas.

SUB CODE: 20/ SUBM DATE: none/ ORIG REF: 007/ OTH REF: 004

Card 2/2

SHLYKOV, Yu. P.; TSAREVSKIY-DYAKIN, S. N.; DOSTOV, A. I.

"The efficiency of finned surfaces."

report submitted for 2nd All-Union Conf on Heat & Mass Transfer, Minsk, 4-12
May 1964.

Inst of Theoretical & Experimental Physics.

TSARFIN, M., mekhanik

Give your best to the important front. Sov. profsoiuzy 20
no.3:6-8 F '64. (MIRA 17:3)

1. Predsedatel' postoyanno deystvuyushchego proizvodstvennogo
soveshchaniya Leningradskogo mashinostroitel'nogo zavoda imeni
Karla Marksa.

MOKEYEVA, R.N.; TSAREIN, Ya.A.

Gas chromatographic determination of acetaldehyde and propylene oxide
impurities in ethylene oxide. Zav. lab. 31 no.9:1053-1054 '65.

(MIRA 18:10)

1. Vladimirskiy nauchno-issledovatel'skiy institut sinteticheskikh
smol.

TSARFIN, Ya. A.

AUTHORS: Rogovin, Z. A., Davydov, A. N., Tsarfin, Ya. A. 64-1-4/12
Morozova, N. V. Yerokhina, V. G.

TITLE: Rapid Method for the Acetylation of Cellulose in a Homogeneous Medium
(Bystryy metod atsetilirovaniya tsellyulozy v gomogennoy srede)

PERIODICAL: Khimicheskaya Promyshlennost', 1958, Nr 1, pp. 17-20 (USSR).

ABSTRACT: The cellulose acetylations which have hitherto been carried out in plants took from 8 - 12 hours. Therefore it was necessary to find a method of shorter duration. In the present paper a rapid method is suggested which refers among other things to some proposals of Thomas (reference 3) as being superfluous, so e. g. a pretreatment of cellulose with concentrated urea solution. The usual activation with glacial acetic acid at 60°C for 30 minutes is sufficient. Investigations of the influence of the acetylation temperature showed that a temperature of 70°C is not to be surpassed and that with a quantity of 0,3 percentages by weight of sulfuric acid as catalyst at 80°C the triacetylcellulose can be obtained within from 20 - 30 minutes. In order to obtain

Card 1/3

Rapid Method for the Acetylation of Cellulose
in a Homogeneous Medium

64-14/19

triacetylcellulose with sufficiently high molecular weight special attention must be paid to the composition of the mixture to be acetylated. Experimental results show that the decomposition of the obtained acetylcellulose is proportional to the added quantity of acetic acid, on the other hand, however, the procedure becomes too expensive in the case of an increase in addition of acetic anhydride, except the product is isolated in an arid medium so that no hydrolysis of the anhydride can occur. On the strength of various investigations a mixture of 50 - 60% of acetic anhydride and of 50 - 40% of acetic acid was found to be the optimum condition. In investigations of the catalyst quantity and its character it was found that the quantity must be reduced at increased temperature (from 1 - 1.5% to 0.3% in the case of sulfuric acid), aniline sulfate (0.6 percentages by weight) is assumed to be a better catalyst than the ammonium sulfate suggested by Thomas. The investigations are carried on in order to test them in the industrial scale and to obtain a further reduction of the acetic anhydride quantity.

Card 2/3

There are 3 tables, and 3 references, 2 of which are Slavic.

Rapid Method for the Acetylation of Cellulose
in a Homogeneous Medium

64-1-4/19

ASSOCIATION: Laboratory of the NIIPP at the Chemical Plant, Vladimir
(Laboratoriya NIIPP na Vladimirskom khimicheskome zavode)

AVAILABLE: Library of Congress.

1. Cellulose-Acetylation

Card 3/3

YEMELIN, Ye.A.; SMYSLOVA, N.F.; TSARFIN, Ya.A.

Analysis of industrial samples of chlorendic anhydride by
nonaqueous potentiometric titration. Zav. lab. 29 no.10:1169-
1172 '63. (MIRA 16:12)

1. Vladimirekiy nauchno-issledovatel'skiy institut sinteticheskikh
smol.

SVISTUNOVA, G.P.; YEMELIN, Ye.A.; TSARFIN, Ya.A.

Determination of cobalt in cobalt naphthenate. Plast. massy
no.11:56-57 '63. (MIRA 16:12)

YFMEIN, Ye.A.; TSARPIN, Ya.A.

Simultaneous determining of perchloric and sulfuric acid in industrial solutions in the production of cellulose acetobutyrate.
Plast.massy no. 10:52-53 '64. (MIRA 17:10)

YEMELIN, Ye.A.; SMYSLOVA, N.F.; TSARFIN, Ya.A.

Determination of hydrochloric and acetic acids in methylene
chloride. Zav.lab. 28 no.8:929 '62. (MIRA 15:11)

1. Vladimirskiy institut sinteticheskikh smol.
(Hydrochloric acid) (Acetic acid)

YEMELIN, Ye.A.; SVISTUNOVA, G.P.; TSARFIN, Ya.A.

Separate determination of pyridine and nitrile nitrogen in an acrylonitrile-methylvinylpyridine copolymer. Zav.lab. 27 no.3:283-285 '61.

(MIRA 14:3)

1. Vladimirovskiy nauchno-issledovatel'skiy institut sinteticheskikh smol.
(Nitrogen--Analysis) (Acrylonitrile) (Pyridine)

20192

55200

1273, 1153, 1282, 2209

S/032/61/027/CO3/CO7/025
B101/B203

AUTHORS: Yemelin, Ye. A., Svistunova, G. P., and Tsarfin, Ya. A.

TITLE: Separate determination of pyridine- and nitrile nitrogen in copolymers of acrylonitrile with methyl-vinyl pyridine

PERIODICAL: Zavodskaya laboratoriya, v. 27, no. 3, 1961, 283-285

TEXT: To study the copolymerization of acrylonitrile (AN) with methyl-vinyl pyridine (MVP) the authors developed a method of determining pyridine- and nitrile nitrogen. If MVP is in the copolymer as a free amine, 200-500 mg of the copolymer are dispersed in 20 ml of nitro-methane, and dissolved by adding 2 ml of 98% formic acid, and heating. The solution is diluted with 50 ml of nitro-methane, cooled to room temperature, and potentiometrically titrated with 0.05 N HClO_4 dissolved in dioxane. The pH is controlled by means of a glass and calomel electrode, as well as an MII-5 (LP-5) apparatus. The content of MVP is calculated: $\text{MVP} = [(V_1 - V_2) \cdot N \cdot 119.16 \cdot 100] / E$, where V_1 is the required volume of HClO_4 , V_2 is the HClO_4 volume required for the blank test (titration of 30 ml of nitro-methane plus 2 ml of HCOOH), N is

Card 1/3

20192

Separate determination ...

S/032/61/027/003/007/025
B101/B203

the normality of HClO_4 , 119.16 is the equivalent of MVP, E is the weighed portion. Control tests showed that the presence of the nitrile group did not interfere. If MVP is contained in the copolymer in the form of salt, 200-400 mg of the copolymer are dissolved in dimethyl formamide, and potentiometrically titrated with 0.1 N piperidine dissolved in isopropanol. To determine the nitrile nitrogen, 200 mg of the copolymer are mixed with 100 ml of 40% KOH, and the ammonia released in heating is collected in 40 ml of 0.1 N HCl. After 4-5 hr, water vapor is blown through the apparatus, and the free HCl is back-titrated with 0.1 N NaOH. Table 2 shows test results in good agreement with the total nitrogen content determined according to Dumas. There are 2 figures, 2 tables, and 7 references: 6 Soviet-bloc and 1 non-Soviet-bloc.

ASSOCIATION: Vladimirskiy nauchno-issledovatel'skiy institut sinteticheskikh smol (Vladimir Scientific Research Institute of Synthetic Resins)

Card 2/3

Separate determination ...

Legend to Table 2: 1) Nitrogen content of the polymer; 2) pyridine nitrogen in the form of amine; 3) pyridine nitrogen in the form of salt; 4) nitrile nitrogen; 5) total; 6) nitrogen content according to Dumas

20192

S/032/61/027/003/007/025
31 01/3203

Содержание азота в полимере, %					6
1	2	3	4	5	Содержание азота по Дюма, %
пиримидинового в виде амина	пиримидинового в виде соли	нитрильного	сумма		
0.41	—	24.18	24.59		24.52
0.37	—	23.62	23.99		23.92
6.52	—	11.02	17.54		17.59
1.45	0.10	18.84	20.39		20.41
1.06	—	19.80	20.86		20.92
0.83	0.41	20.60	21.89		21.70
1.01	0.39	21.48	22.88		22.68
1.41	—	22.21	23.62		23.81
1.04	0.12	22.63	23.79		24.02
0.39	0.66	22.48	23.44		23.24
0.15	0.84	21.48	22.47		22.46

Card 3/3

YEMELIN Ye.A.; TSARFIN, Ya.A.

Rapid method of determining hydroxyl groups in polyesters. Plast.
massy no.3:75-76 '61. (MIRA 14:3)
(Esters) (Hydroxyl group)

TSARFIN, Ya.A.

ROGOVIN, Z.A.; DAVIDOV, A.N.; TSARFIN, Ya.A.; YEROKHINA, V.G.; MOROZOVA, N.V.

Rapdi method for the acetylation of cellulose in a homogenous
medium. Khim. prom. no.1:17-20 Ja-F '58. (MIRA 11:3)

1. Laboratoriya nauchno-issledovatel'skogo instituta pochvovedeniya
na Vladimirskom khimicheskome zavode.
(Acetylation) (Cellulose acetate)

FILIPPOV, Yu. S.; TSARFIN, Ya. A.

Simple preparative chromatographic apparatus. Zav. lab. 28
no.12:1507-1508 '62. (MIRA 16:1)

1. Vladimirskiy nauchno-issledovatel'skiy institut sinteti-
cheskikh smol.

(Gas chromatography)

POLYAKOVA, T.A.; SOKOLOVA, T.A.; TSARFIM, Ya.A.

Chromatographic determination of furan and carbon dioxide in
the products of furfurole decarbonylation. Zav.lab. 29 no.1:
18-19 '63. (MIRA 16:2)

1. Vladimirskiy nauchno-issledovatel'skiy institut sinteticheskikh
sool. (Furan) (Carbon dioxide) (Chromatographic analysis)

YEMELIN, Ye.A.; TSARFIN, Ye.A.

Determination of primary and secondary amino groups in polynuclear polyamines. Zhur.anal.khim. 17 no.6:759-762 S '62. (MIRA 16:1)

1. Nauchno-issledovatel'skiy institut sinteticheskikh smol,
g. Vladimir.

(Amines)

(Amino group)

L 13323-63

EMP(j)/EFF(c)/EWT(m) BDS ASD Pc-4/Pr-4 RM/NW/JW

ACCESSION NR: AT3002344

S/2513/63/013/000/0156/0159

AUTHORS: Yemelin, Ye. A.; Sviatunova, G. P.; Tsarfin, Ya. A.

TITLE: The separate determination of the pyridinic and nitrile nitrogen in the acrylonitrile and methylvinylpyridine copolymers. 7

SOURCE: AN SSSR. Komissiya po analiticheskoy khimii. Trudy. v. 13, 1963.
Organicheskiy analiz, 156-159.

TOPIC TAGS: nitrogen, nitrile, saponification, KOH, HCl, nitromethane, acrylonitrile, methylvinylpyridine.

ABSTRACT: The determination of nitrogen in nitrile was accomplished by means of saponification with 40% aqueous KOH solution. The ammonium evolved from the reaction is absorbed in 0.1 N HCl solution and then titrated with 0.1 N NaOH solution using methyl red indicator. The saponification must be carried out in a vessel resistant to strong alkali solutions. The determination of pyridinic nitrogen was accomplished by potentiometric non-aqueous titration. After the dissolution of methylvinylpyridine copolymer in a mixture of nitromethane and hydrochloric acid, the solution is titrated potentiometrically with 0.05 N HClO₄.

Card 1/2

L 13323-63

ACCESSION NO: AT3002344

in a dioxane solution. The nitrile group does not interfere with the pyridinic nitrogen. The average relative error is 1%. Orig. art. has: 1 table.

ASSOCIATION: Vladimirskiy nauchno-issledovatel'skiy institut sinteticheskikh smol (Vladimirsk Scientific Research Institute for Synthetic Resins).

SUBMITTED: 00

DATE ACQ: 13Jun63

ENCL: 00

SUB CODE: CH, ML

NO REF SOV: 001

OTHER: 001

Card 2/2

YEMELIN, Ye.A.; SVISTUNOVA, G.P.; TSARFIN, Ya.A.

Separate determination of pyridine and nitrile nitrogen in
a copolymer of acrylonitrile with methylvinylpyridine. Trudy
Khim. anal. khim. 13:156-159 '63. (MIRA 16,5)

1. Vladimirskiy nauchno-issledovatel'skiy institut sinteticheskikh
smol. (Nitrogen--Analysis) (Acrylonitrile) (Pyridine)

POLYAKOVA, T.A.; SOKOLOVA, T.A.; TSARFIN, Ya.A.
[REDACTED]

Analysis of the products of the catalytic hydrogenation of
furan by the method of gas-liquid chromatography. Zav. lab.
29 no.6:664-665 '63. (MIRA 16:6)

1. Vladimirskiy nauchno-issledovatel'skiy institut sinteti-
cheskikh smol.

(Furan) (Hydrogenation)
(Gas chromatography)

SAVOSHCHENKO, I.S., dotsent, otv.red.; TSARFIS, P.G., starshiy nauchnyy sotrudnik, red.; VERBOV, A.F., starshiy nauchnyy sotrudnik, red.; VISHNEVSKIY, A.S., prof., red.; PETELIN, S.M., prof., red.; BARANOVSKAYA, L.V., tekhn.red.

[Current problems in balneotherapy; results of a meeting in honor of the 40th anniversary of the Soviet regime] Aktual'nye voprosy bal'neoterapii; itogi nauchnoi sessii, posvashchennoi 40-letiiu Sovetskoi vlasti. Stavropol' na Kavkaze, Izd-vo gazety "Stavropol'skaya pravda," 1959. 174 p.

(MIRA 14:5)

1. Pyatigorsk. Pyatigorskiy gosudarstvennyy nauchno-issledovatel'skiy bal'neologicheskiy institut.
(HYDROTHERAPY)

TSARFIS, P.G. (Pyatigorsk)

Essence and importance of a "balneological reaction"; a topic
for discussion. Vop. kur., fizioter. i lech. fiz. kul't. 27
no. 4:360-363 J1-Ag*62 (MIRA 16:11)

*

TSARFIS, P.G.; GLOTOVA, G.S.

Disorder of neurohumoral regulation in infectious polyarthritis
and its changes under the influence of health resort treatment in
Pyatigorsk. Uch.zap.Pyat.gos.nauch.-issl.bal'n.inst. 3:67-78 '60.
(MIRA 15:10)

(NEUROCHEMISTRY) (ARTHRITIS)
(PYATIGORSK--HEALTH RESORTS, WATERING-PLACES, ETC.)

TSARFIS, V.G., doktor med. nauk

Reviews. Vop. kur., fisloter. i lech. fiz. kul't. 30 no.4:
372-374 JI-Ag '65. (MIRA 18:9)

ALEKSANDROVA, V.P.; BEREZINA, N.K.; BERNSHTEYN, A.I.; BERNSHTEYN, S.E.;
BLOKH, R.L.; ZINKOVETSKAYA, T.S.; IDESIS, Ye.S.; SMOLENKOVA, O.N.;
TOSHINSKIY, I.I.; TSARFIS, P.G.; SHABAD, Ye.T.; SHEYNBERG, O.A.

Professor E.IA. Stavskaya; obituary. Vop. kur., fizioter. i lech.
fiz. kul't. 26 no. 2:191 Mr-Apr '61. (MIRA 14:4)
(STAVSKAYA, EVGENIYA IAKOVLEVNA, 1892-1960)

TSARFIS, P.G. (Pyatigorsk)

Some forms of joint diseases. Med.sestra 19 no.8:16-21 Ag '60.
(MIRA 13:7)

(JOINTS--DISEASES)

TSARFIS, P.G.

[Diseases of the joints and their treatment] Bolesni sustavov i ikh
lechenie. Moskva, Medgiz, 1957. 98 p. (MLRA 10:7)
(JOINTS--DISEASES)

TSARFIS, P. G.

Doc Med Sci - (diss) "Treatment by means of radon and carbonate-hydrosulfide baths in conjunction with other agents of patients with infectious (nonspecific and brucellosic) polyarthrititis at the Pyatigorskiy Health Resort." Pyatigorsk, 1961. 30 pp; (Ministry of Public Health USSR, Central Scientific Research Inst of Medical Radiology); 150 copies; price not given; list of author's works on pp 29-30 (16 entries); (KL, 7-61 sup, 255)

TSARFIS, Petr Grigor'yevich

[Diseases of the joints and their treatment at health resorts]
Zabolevaniia sustavov i ikh kurortnoe lechenie. Moskva, Medgiz,
1960. 321 p. (MIRA 13:12)
(JOINTS--DISEASES) (THERAPEUTICS, PHYSIOLOGICAL)

TSARFIS, P. G.

Results of fangotherapy of protracted gun-shot osteomyelitis.
Sovet. med. no.7:19-21 July 1951. (CML 20:11)

1. Candidate Medical Sciences, Head Physician of Sanatorium
imeni V. I. Lenin (Saki).

YUGOSLAVIA/Chemical Technology. Chemical Products. Safety. Sanitation H-6

Abs Jour : Raf Zhur - Khimiya, 1958, No 22, 744-74

Author : Tasrich J.

Inst : Not Given

Title : Importance of the Exhaust Valve Design in Gas Masks from the Standpoint of Protection from Radioactive Aerosols and Other Substances.

Orig Pub : Tehnika, 1958, 13, No 3, Hem. ind., 12, No 3, 43-45

Abstract : Shortcomings of the design of exhaust valves of the existing gas mask types are briefly discussed. Importance of developing a new system capable of protecting against various poisonous substances including the radioactive ones is emphasized.

Card : 1/1

TSITOVICH, I.K.; KONOVALOVA, Ye.A.; TSARICHENKO, B.F.

Salts forms of cation exchangers and the separation of organic acids. Izv. vys. ucheb. zav.: khim. i khim. tekhn. 8 no. 1:60-62 '65.
(MIRA 18:6)

1. Kabanskiy sel'skokhozyaystvennyy institut, kafedra neorganicheskoy i analiticheskoy khimii.

RUDCHENKO, Anna Vasil'yevna; TSARICHENKO, Georgiy Valentinovich

[Labor protection for production workers] Okhrana truda
proizvodstvennykh rabochikh. Kursk, Kurskoe knizhnoe
izd-vo, 1959. 57 p. (MIRA 16:5)
(LABOR AND LABORING CLASSES--MEDICAL CARE)

TSARICHENKO, G.V., aspirant

Industrial hygiene at the dressing plant of a phosphate mine.
Report No. 1. Sbor. trud. Kursk. gos. med. inst. no.13:31-34
'58. (MIRA 14:3)

1. Iz kafedry gigiyeny (zav. - professor A.V. Rudchenko) Kurskogo
gosudarstvennogo meditsinskogo instituta.
(PHOSPHATE INDUSTRY-HYGIENIC ASPECTS)

TSARICHENKO, G. V., CAND MED SCI, "PROBLEMS OF ^{Labor} ~~INDUSTRIAL~~
HYGIENE IN A PHOSPHORITE MINE." (ACAD MED SCI. INST OF ~~IND~~
^{Labor} ~~INDUSTRIAL~~ HYGIENE AND OCCUPATIONAL DISEASES). (KL-DV, 11-61,
230).

-293-

TSARICHENKO, V.V.

"Public health organization of Ryazan Province" by N.A. Anan'ev,
P.K. Simonov. Reviewed by V.V. TSarichenko. Zdrav.Rou.Feder.
2 no.12:40 D '58 (MIRA 11:12)

(RYAZAN PROVINCE---PUBLIC HEALTH)

(ANAN'EV, N.A.)

(SIMONOV, P.K.)

STRELYUKHIN, A.K.; KRASIK, Ye.D.; FRAGINA, D. Yu.; TSARICHENKO, V.V.

Results of training psychiatrists at a local base in Ryazan
Province. Zhur. nevr. i psikh. 63 no.2:313-314 '63
(MIRA 16:11)

1. Kafedra psikhiiatrii (zav. - prof.A.K.Strelyukhin) Ryazan-
skogo meditsinskogo instituta imeni I.P.Pavlova, Ryazanskaya
psikhonevrologicheskaya bol'nitsa (glavnyy vrach V.V.TSari-
chenko) i Ryazanskiy psikhonevrologicheskiy dispanser (glav-
nyy vrach - kand.med.nauk Ye.D.Krasik).

*

TSARICHENKO, V.V.

Some forms of methodical guidance of the rural public health
program. Zdrav.Ros.Feder. 1 no.2:11-34 F '57. (MLRA 10:7)

1. Zaveduyushchiy Kurskim oblastnym otделom zdравookhraneniya.
(PUBLIC HEALTH, RURAL)

DASHKINA, N.G. [Dashkina, N.H.]; TSARICHKOVA, D.B. [TSarychkova, D.B.]

Duration of the gonotrophic cycle in mosquitoes *Aedes rossicus*
D.G.M. (Diptera, Culicinae). Dop. AN URSR no.5:687-689 '64.
(MIRA 17:6)

1. Kiyevskiy gosudarstvennyy universitet. Predstavleno akademikom
AN UkrSSR A P.Markevichem [Markevych, O.P.].

DASHKINA, N.G.; TSARICHKOVA, D.B.

Copulation of some species of mosquitoes of the genus *Aedes*
under laboratory conditions. Med. paraz. i paraz. bol. 34
no.2:235 Mr-Apr '65. (MIRA 18:11)

1. Arakhnocentmologicheskaya laboratoriya Kiyevskogo gosudarst-
vennogo universiteta.

DONETS, Z.S.; DASHKINA, N.G.; LOSKOT, V.M.; FRANTSEVICH, L.I.; TSARICHKOVA,
D.B.

Larval nutrition and some physiological indices of bloodsucking
mosquitoes. Med. paraz. i paraz. bol. 34 no. 5:518-521 S-0 '65
(MIRA 19:1)

1. Laboratoriya arakhnoentomologii Kiyevskogo universiteta. Sub-
mitted June 13, 1964.

SEROPYAN, K.A., kand. med. nauk; KIRCHIKU, K.; TSARIDA, M.; RASHA, Sh.;
GOSTEVSKIKH, M.Ye.

Intra-arterial injection of novocaine solutions in treating skin
diseases. Vest. derm. i ven. 33 no.2:82 Mr-Apr '59. (MIRA 12:7)

1. Iz kliniki kozhno-venericheskikh bolezney meditsinskogo instituta
g. Tirana (Albaniya).
(SKIN--DISEASES) (NOVOCAINE)

F T SARIK, D. I-

529. FLAMELESS COMBUSTION OF NATURAL GAS BY THE IMPACT METHOD.
Tearik, D. F. (Za Ekon. Topliva (Fuel Econ.), Sept. 1951, 14-21). The advantages are stated of the method in which a mixture of gas and air impinges on a heap of broken fireclay. Illustrated descriptions are given of its application to cast iron sectional water boilers and vertical and horizontal steam boilers. There are several dimensioned drawings of burners. (L).

TSARIK, D.F. (L'vov)

Thermal removal of synthetic fatty acids from sewage and gases.
Vod.i san.tekh. no.10:10-12 0 '62. (MIRA 15:12)
(Sewage--Purification)

TSARIK, D. F., (Eng.)

"Gas Combustion Practice in the City of L'vov and Survey of the Gas-burning
Devices Used "

(Theory and Practice of Gas Combustion; Transactions of a Scientific and
Technical Meeting) Leningrad, Gostoptekhnizdat, 1958. 343 p.

ТРАПНИК, И.Т.; ГРЕБЛЕННИКОВ, Ye.A., канд. fiz.-mat.nauk, dots.,
red.

[Textbook on higher mathematics for students of economics]
Pocobie po vysshei matematike dlia ekonomistov. Moskva,
Univ. druzhby narodov im. Patrisa Lumumby. It.2. 1963. 181 p.
(MIRA 17:7)

KALABINA, A.V.; FILIPPOVA, A.Kh.; DMITRIYEVA, G.V.; TSARIK, I.Ya.

Polymerization of aryl vinyl ethers and their derivatives. Part 1:
Polymerization and copolymerization of vinyl ethers of halogenated
phenols. Vysokom.soed. 3 no.7:1020-1026 J1 '61. (MIRA 14:6)

1. Irkutskiy gosudarstvennyy universitet imeni A.A.Zhdanova.
(Ether) (Polymerization)

L 27451-66 EWT(m)/EWP(j)/I RPL NW/RM

ACC NR: AP5025962

SOURCE CODE: UR/0190/65/007/010/1758/176237

AUTHOR: Kalabina, A. V.; Tsarik, L. Ya.; Bodyukh, L. A.; Maksyutin, Yu. K.

ORG: Irkutsk State University (Irkutskiy gosudarstvennyy universitet)

TITLE: Investigations in the polymerization and copolymerization of vinylaryl ethers and their derivatives. Report No. 6. Copolymerization of hydroquinone dimethyl ether with methylmethacrylate

TOPIC TAGS: methylmethacrylate, alkaryl ether, copolymerization, radical polymerization, copolymer, ion exchange resin, polymer structure

ABSTRACT: The copolymerization of hydroquinone dimethyl ether (I) with methylmethacrylate (MMA) was investigated. Bulk polymerization of 1-20% I with 99-80% MMA initiated by azobisisobutyronitrile gave 20% yields of cross-linked polymers whose ether linkage content increased with initial amount of I. Benzoyl peroxide initiated suspension copolymerization was carried out. The use of a combination of starch and talcum as suspension stabilizers was required in order to form copolymer granules. High copolymer yields (88%) were obtained when a 1:3 ratio of monomer mixture: water was used. The static exchange capacity

Card 1/2

UDC: 66.095.26+678.744+678.746

L 27451-66

ACC NR: AP5025962

of the saponified copolymers was found to depend on the amount of I and on the degree of saponification of the copolymer. Copolymers made from 5% of I in the initial reaction mixture have the greatest exchange capacity (9 mg. equiv/gm) and show high resistance to hydrolysis in 5N mineral acid and alkali solutions. "In conclusion we thank V. A. Shevelev for obtaining the IR spectra." Orig. art. has: 3 tables and 1 figure.

SUB CODE: MT, OC/ SUBM DATE: 18Nov64/ ORIG REF: 006/ OTH REF: 000

Card 2/2 *20*

KALABINA, A.V.; TSARIE, I.Ya.; BODYURN, I.A.; MAKSTUTIN, Yu.K.

Copolymerization of hydroquinone divinyl ether with methyl
methacrylate. Vysokom.sped. 7 no.10:1758-1762 0 '65.
(MIRA 18:11)

I. Ikrutskiy gosudarstvennyy universitet.

TSARIK, S. Ya.

USSR/Pharmacology. Pharmacognosy. Toxicology - Local Anaesthetics. T-4

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71713

Author : Shteinberg, M.A., Pankova, E.E., Tsarik, S.Ya.

Inst :

Title : The Changes in Censor Chronaxia in Lupus Erythematosus
Patients in Treatment with Novocaine Block of the
Trigeminal Nerve Endings.

Orig Pub : Vestn. Venerol. i Dermatol, 1956, No 5, 14-15

Abstract : 23 patients with Lupus erythematosus (LE) were treated
with novocaine (1). I was injected intradermally in
0.25-0.5 percent solutions, 1.2-0.4 ml each in 2-3 days
(altogether 6-12 injections). Clinical recovery occurred
in 9 patients. In a considerable number of patients
a correlation between the clinical results and the changes
in the censor chronaxia were found.

Card 1/1

- 42 -

SHTEYNBERG, M.A., doktor meditsinskikh nauk; PANKOVA, Ye.Ye., ordinatory;
TSARIK, S.Ya.

Changes in sensory chronaxy in lupus erythematosus following a procaine
block of trigeminal nerve endings. Vest.ven. i derm. 30 no.5:14-15
S-0 '56. (MLRA 9:12)

1. Iz L'vovskogo nauchno-issledovatel'skogo kozhno-venerologicheskogo
instituta (dir. - kandidat meditsinskikh nauk V.F.Podusovskiy)
Oblastnogo vendispansera (zav. G.I.Kurochkin) i 2-go rayonnogo
vendispansera (zav. B.T.Glukhen'kiy)

(LUPUS ERYTHEMATOSUS, ther.

procaine block of trigeminal nerve ending, causing changes
in sensory chronaxy)

(PROCAINE, ther. use

procaine block of trigeminal nerve endings in lupus
erythematosus, causing changes in sensory chronaxy)

(SKIN, innerv.

sensory chronaxy changes in procaine block in of trigeminal
nerve endings in ther. of lupus erythematosus)

TSARIK, V.

Centralization of freight transportation from railroad stations.

Avt.transp. 39 no.4:12-13 Ap '61.

(MIRA 14:5)

(Transportation, Automotive—Freight)

TSARIKHIN, D.A.
MINENKO, V.I.; TSARIKHIN, D.A.; NECHIPORENKO, N.N.; PUSTOVAILOV, V.I.;
SPRISHEVSKIY, A.I.

Method of insulating suspension devices for galvanizing parts.
Avt.trakt.prom. no.10:29 0 '54. (MLRA 7:10)

1. Khar'kovskiy velosipednyy zavod.
(Galvanizing)

TSARIKHIN, D. A.
MINENKO, V.I., kandidat khimicheskikh nauk; TSARIKHIN, D.A., kandidat
tekhnicheskikh nauk, dotsent; NECHIPORENKO, N.M., kandidat
tekhnicheskikh nauk, dotsent; PUSTOVALOV, V.I., inzhener;
SPRISHEVSKIY, A.I., kandidat tekhnicheskikh nauk.

Insulated hooks for electroplating machine-parts. Vest. mash.
36 no.8:62-63 '56. (MLRA 9:10)

1. Khar'kovskiy velosipednyy savod.
(Electroplating)

KADANEN, L. I.; TSARIKHIN, D. A.

Galvanizing

Some factors contributing to the economy of non-ferrous metals and electric energy.
in galvanizing shops. Avt. trakt. prom. No. 1, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953, UNCL.

TSARIKOV, N.

Optimum schedule for the fattening of cockerels. Mias.ind.
SSSR 30 no.1:25 '59. (MIRA 12:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut pishche-
pererabatyvayushchey promyshlennosti.
(Poultry--Feeding and feeding stuffs)

TSARIKOV, N.N.

Electrographic examination of the motor functions of the stomach
an oviduct in birds. Biul. eksp. biol. i med. 54 no.12:106-108
D'62. (MIRA 16:6)

1. Iz laboratorii promyshlennogo ptitsevodstva TSentral'nogo
nauchno-issledovatel'skogo instituta ptitsepererabatyvayushchey
promyshlennosti (dir. A.Ye. Tikhomirov), Moskva. Predstavlena
deystvitel'nym chlenom AMN SSSR V.V.Parinym.

(GASTROINTESTINAL MOTILITY) (OVIDUCT—MOTILITY)
(ELECTROPHYSIOLOGY) (BIRDS—PHYSIOLOGY)

TSARIKOV, N. N.

Electrographic examination of the motor functions of the stomach
an oviduct in birds. Biul. eksp. biol. i med. 54 no. 12:106-108
D '62. (MIRA 16:6)

1. Iz laboratorii promyshlennogo ptitsevodstva TSentral'nogo
nauchno-issledovatel'skogo instituta ptitsepererabatyvayushchey
promyshlennosti (dir. A. Ye. Tikhomirov), Moskva. Predstavlena
-deystvitel'nym chlenom AMn SSSR V. V. Parinym.
(GASTROINTESTINAL MOTILITY) (OVIDUCT--MOTILITY)
(ELECTROPHYSIOLOGY) (BIRDS--PHYSIOLOGY)

*

TSARIKOV, N. N., Candidate Biol Sci (diss) -- "Gastric and intestinal digestion in roosters when being fattened". Moscow, 1959. 18 pp (Moscow Vet Acad of the Min Agric RSFSR), 140 copies (KL, No 25, 1959, 131)

FIGAREV, N.V., kand. sel'skokoz. nauk; TSARIKOV, N.N., nauchnyy sotrudnik

Causes of cannibalism among caged layers. Ptitsevodstvo 9 no.4:31-33
Ap. '59. (MIRA 12:6)

1. Tsentral'nyy nauchno-issledovatel'skiy institut ptitsepere-
rabatyvayushchey promyshlennosti (for TSarikov).
(Poultry—Diseases and pests)
(Cannibalism (Animals))

TSARIKOV, M.N., aspirant

Gastric and intestinal digestion in fattening cockerels. Ptitsevodstvo
8 no. 7:33-38 J1 '58. (MIRA 11:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut ptitsevodstva.
(Digestion)
(Poultry--Feeding and feeding stuffs)

TSARIKOV, N.N., kand. biologicheskikh nauk

Activity of the digestive processes of caged laying hens
under various feeding methods. Trudy TSNIIPPa 9:84-88 '62.
(MIRA 16:6)
(Poultry—Feeding and feeds)

TSARIKOVSKAYA, A. YA.
TSARIKOVSKAYA, A. YA.

"Effect of Uniformity of Seed of Grain Cultures upon the Yield and the Quality of Grain." Moscow Order of Lenin Agricultural Academy imeni K. A. Timiryazev, Moscow, 1955. (Dissertation for the Degree of Candidate of Agricultural Sciences)

SO: M-972, 20 Feb 56

BERSLAVSKIY, A.S., kand.med.nauk; TSARIKOVSKAYA, N.G., kand.med.nauk

Effect of iodine preparations on the level of thyrotropic hormones
in the blood in patients with thyrotoxicosis. Sov.med. 23 no.9:
88-91 S '59. (MIRA 13:1)

1. Iz otdela gistofiziologii (rukovoditel' - prof. B.V. Aleshin) i
klinicheskogo otdela (rukovoditel' - prof. M.A. Kopelovich) Ukrain-
skogo instituta eksperimental'noy endokrinologii (dir. - kand.med.
nauk S.V. Maksimov).

(HYPERTHYROIDISM blood)

(IODINE pharmacol.)

(THYROTROPIN blood)

TSARIKOVSKAYA, N.G.; AILSHIN, B.V., prof., nauchnyy konsult'ant

Thyroid gland and pregnancy; a review of literature. Probl.
endok. i gorm. 10 no.5:99-107 S-O '64.

(MIRA 18:6)

1. Ukrainskiy institut eksperimental'noy endokrinologii (dir.
S.V. Maksimov), Khar'kov.

TSARIKOVSKAYA, N.G.

State of the uterus and the reactivity of the thyroid gland. Trudy Ukr.
nauch.-issl. inst. eksper. endok. 19:235-248 '64. (MIRA 18:7)

1. Iz gistologicheskogo i klinicheskogo otdelov Ukrainского instituta
eksperimental'noy endokrinologii.

LEVI, Ya.L., professor; SEMENOVA, G.I.; TSARIKOVSKAYA, N.G., kandidat
meditsinskikh nauk (Khar'kov)

Surgical treatment of pronounced forms of thyrotoxicosis. Probl.
endokr. i gorm. 1 no.5:85-91 S-O '55. (MLRA 8:10)

1. Iz klinicheskogo otdela (rukovoditel'--prof. M.A.Kopelovich)
Ukrainskogo instituta eksperimental'noy endokrinologii (dir.--
kandidat meditsinskikh nauk S.V.Maksimov)
(HYPERTHYROIDISM, surgery)

TSARIKOVSKAYA, N.G., kand. med. nauk.; BRESIAVSKIY, A.S., kand. med. nauk.;
~~KRYZHANOVSKAYA, M.V., kand. med. nauk. (Khar'kov)~~

Relation of endemic goiter in the population of the Lisichansk-Rubezhansk industrial region to factors in the external environment. Probl. endokr. i gorm. 4 no.5:97-105 S-O '58. (MIRA 11:12)

1. Iz klinicheskogo otdela (zav. - prof. M.A. Konelovich) i gistofiziologicheskogo otdela (zav. - prof. B.V. Aleshin) Ukrainskogo instituta eksperimental'noy endokrinologii (dir. - kand. med. nauk S.V. Maksimov) i Ukrainskogo nauchno-issledovatel'skogo instituta kommunal'noy gigiyeny (dir. - doktor med. nauk D. N. Kalyuznyy).

(WATER SUPPLY,

iodine & other chem. factors in indust. areas, relation to endemic goiter incidence (Rus))

TSARYKOVSKAYA, N. G.

AL'OSHYN, B.V.; TSARYKOVSKAYA, N.G.

Physiological role of the endocrine system in experimental tumors.
Medych.zhur. 24 no.6:23-33 '54. (MLRA 8:7)

1. Ukraine'skiy institut eksperimental'noi endokrinologii, viddil
gistofiziologii.

(ENDOCRINE GLANDS, physiology,
in exper. neoplasms)
(NEOPLASMS, experimental,
endocrine glands in)

ALESHIN, B.V.; TSARIKOVSKAYA, N.G.; US, L.A.

Correlation of form and function in the thyroid gland altered by
goiter. Trudy Ukr.nauch.-issl.inst.eksper.endok. 18:7-31 '61.
(MIRA 16:1)

1. Iz otdela gistofiziologii i klinicheskogo otdeleniya
Ukrainskogo instituta eksperimental'noy endokrinologii.
(GOITER) (THYROID GLAND)

TSARIKOVSKAYA, N.G.

Some problems in the clinical aspects of thyroid gland cancer.
Trudy Ukr.nauch.-issl.inst.eksper.endok. 18:96-102 '61.

(MIRA 16:1)

1. Iz klinicheskogo i gistofiziologicheskogo otdelov
Ukrainskogo instituta eksperimental'noy endokrinologii.
(THYROID GLAND—CANCER)

DZYUBINSKAYA, T.K.; TSARIKOVSKAYA, N.G.

Thyrotropic function of the hypophysis in experimental tuberculosis. Trudy Ukr.nauch.-issl.inst.eksper.endok. 18:103-107 '61.

1. Iz otdela gistofiziologii Ukrainskogo instituta eksperimental'noy endokrinologii i kafedry endokrinologii Ukrainskogo instituta usovershenstvovaniya vrachey.

(TUBERCULOSIS) (THYROID GLAND) (PITUITARY BODY)

CHEREM, P.V., POKHLEVSKAYA, N.A. (Moscow)

Effect of sex hormones on the state of thyroid gland and
thyroid hormone metabolism. Usp. sov. biol. 59 no.2
284-300 Mar-Apr 1965.

ADP 10 4

TSARIKOVSKIY, I., inzh.

Subway bridge. IUn.tekh. 3 no.10:22-24 0 '58. (MIRA 11:11)
(Moscow--Subways) (Moscow--Bridge construction)

ACC NR: AP6030296

(N)

SOURCE CODE: UR/0310/66/000/008/0027/0027

AUTHOR: Tsarikovskiy, I. (Director)

ORG: Tol'yattinskiy Shipyard (Tol'yattinskiy sudoremontno-mekhanicheskiy zavod)

TITLE: Automatic control of the /NVD-24 engine

SOURCE: Rechnoy transport, no. 8, 1966, 27

TOPIC TAGS: diesel engine, ship, automatic control, inland waterway transportation, engine starter system

ABSTRACT: V. S. Trofimov, V. I. Savel'yev, V. V. Shcherbakov, B. M. Pozdeyev, G. I. Sosedov, and N. I. Kolygin, mechanical engineers of the Tol'yattinskiy Shipyard (Tol'yattinskiy sudoremontno-mekhanicheskiy zavod), recommended and brought about remote starting and stopping of a /NVD-24 auxiliary engine on the "Dunayskiy-33" diesel liner by means of a ST-712 starter. A diagram of the automatic control system is shown below. The ST-712 starter (2) is mounted on main frame of the diesel-engine-driven generator (1). Rotation transmission from starter and the other on the fly-wheel of the crankshaft. The starter is powered by storage batteries kept in a separate compartment. The batteries are charged from the GSK-1500 generator (8) through the RK-1500 regulating relay which sustains a charging voltage of 27.5 v. Automatic engine startup occurs at a drop in voltage to 180 v or in frequency to 44.5 ops during

Card 1/3

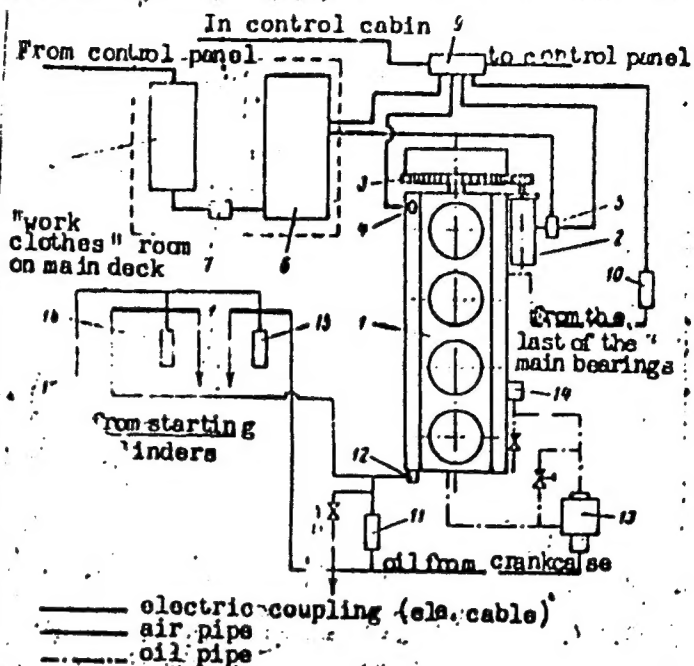
UDC: 621.436.002.5

ACC NR: AP6030296

operation of the shaft-generator or a second auxiliary engine. The control panel of the automatic startup (9) will switch into the circuit under these conditions only. The current from the electric control panel flows into an electromagnetic starting valve (15) which opens an access of air from the cylinder to the oil injection mechanisms (13) through a filter (17). The oil moves into the engine bearings through an oil filter (14). From the main bearing the oil flows into an RD-1 pressure relay (10) which switches on the RS-400 thrust relay (5) and thus, consequently, the ST-712 starter goes on. A TE-204 tachometer data unit is set up for the purpose of switching off the starter when the engine shifts to operation on fuel. An electromagnetic valve (16) opens an access of air to the stopping mechanism (11) which sets the rod of the fuel pump to zero fuel delivery and the engine is stopped. Tests of this automatic control system produced good results. Orig. art. has: 1 figure.

Card 2/3

ACC NR: AP6030296



SUB CODE: 21/ SUBM DATE: none

Card 3/3

ACC NR: AP6030296

(N)

SOURCE CODE: UR/0310/66/000/008/0027/0027

AUTHOR: Tsarikovskiy, I. (Director)

ORG: Tol'yattinskiy Shipyard (Tol'yattinskiy sudoremontno-mekhanicheskiy zavod)

TITLE: Automatic control of the 4NVD-24 engine

SOURCE: Rechnoy transport, no. 8, 1966, 27

TOPIC TAGS: diesel engine, ship, automatic control, inland waterway transportation, engine starter system.

ABSTRACT: V. S. Trofimov, V. I. Savel'yev, V. V. Shcherbakov, B. M. Pozdoyev, G. I. Sosedov, and N. I. Kolygin, mechanical engineers of the Tol'yattinskiy Shipyard (Tol'yattinskiy sudoremontno-mekhanicheskiy zavod), recommended and brought about remote starting and stopping of a 4NVD-24 auxiliary engine on the "Dunayskiy-33" diesel liner by means of a ST-712 starter. A diagram of the automatic control system is shown below. The ST-712 starter (2) is mounted on main frame of the diesel-engine-driven generator (1). Rotation transmission from starter and the other on the fly-wheel of the crankshaft. The starter is powered by storage batteries kept in a separate compartment. The batteries are charged from the GSK-1500 generator (8) through the RK-1500 regulating relay which sustains a charging voltage of 27.5 v. Automatic engine startup occurs at a drop in voltage to 180 v or in frequency to 44.5 cps during

Card 1/3

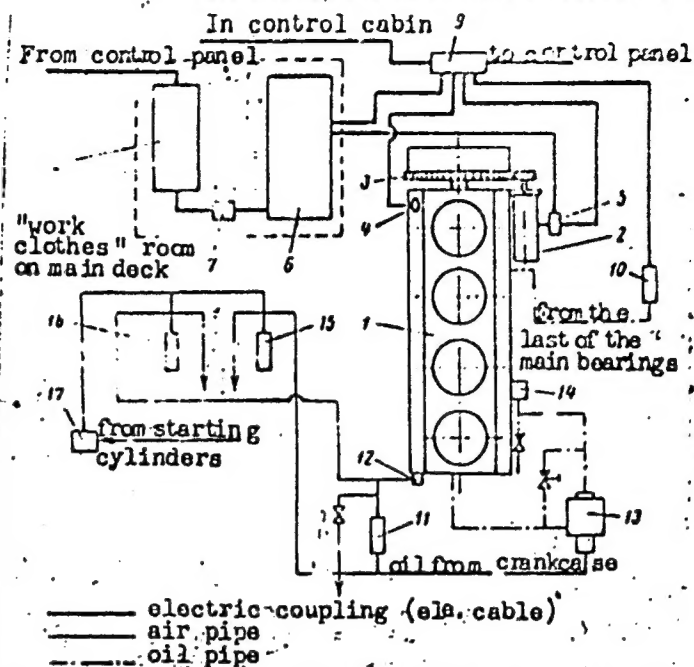
UDC: 621.436.002.5

ACC NR: AP6030296

operation of the shaft-generator or a second auxiliary engine. The control panel of the automatic startup (9) will switch into the circuit under these conditions only. The current from the electric control panel flows into an electromagnetic starting valve (15) which opens an access of air from the cylinder to the oil injection mechanisms (13) through a filter (17). The oil moves into the engine bearings through an oil filter (14). From the main bearing the oil flows into an RD-1⁰ pressure relay₆ (10) which switches on the RS-400⁰ thrust relay⁰ (5) and thus, consequently, the SI-712⁰ starter⁰ goes on. AYTE-204 tachometer⁰ data unit is set up for the purpose of switching off the starter when the engine shifts to operation on fuel. An electromagnetic valve (16) opens an access of air to the stopping mechanism (11) which sets the rod of the fuel pump to zero fuel delivery and the engine is stopped. Tests of this automatic control system produced good results. Orig. art. has: 1 figure.

Card 2/3

ACC NR: AP6030296



SUB CODE: 21/ SUBM DATE: none

Card 3/3